

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 11, 2014

CERTIFIED RETURN RECEIPT 7011 2970 0001 8828 9906

Joseph Havasi Great Salt Lake Minerals 765 North 10500 West Ogden, Utah 84404

Subject: Approval of Dike Reclamation Plan with Surety Escalation Required, Compass

Minerals, Great Salt Lake Minerals, M/057/0002, Weber County, Utah

Dear Mr. Havasi:

The Division of Oil, Gas and Mining approves the amended dike reclamation plan to breach the dike in numerous places and create islands suitable for migratory bird and waterfowl habitat. The reclamation surety needs to be escalated to address this reclamation method. Great Salt Lake Minerals has provided a cost estimate for completing this portion of the reclamation.

The Division's last reclamation cost estimate for the Great Salt Lake Minerals mine was completed in 2009 and escalated to 2014 dollars. In the interim, several amendments were made to the plan that created additional adjustments in the surety amount, but no periodic escalation was done. The reclamation surety amount is now due for review and adjustment. The Division may adjust the amount of reclamation surety as the result of a periodic review taking into account inflation/deflation based on an acceptable cost index (R647-4-113.6), any permit amendments and revisions, and substantial changes to the operation, such as the amended dike breaching method. The following items need to be itemized for this review and escalation:

- 1. The proposed 2019 bond amount should include a tabulation of disturbed acreages and costs for reclamation of the gravel borrow areas and quarries (Gravel Borrows 1, 2, (3?), 4 & 5, Strong's Knob, Poke's Point, and Little Mountain North and South); reclamation of the substation in Little Mountain South quarry approved in 2012; product stockpile and open loading and storage areas in the facilities area; all pump stations; and the dike breaching project approved in 2014.
- 2. Provide an updated facilities area map showing all current buildings and structures located within the zoned industrial park. The map should include the dates of construction for each building within the area. At least part of the main processing facilities area is currently exempt from reclamation by a variance granted in 1983

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inclusion in a post-mining land use industrial park as endorsed by the Weber County Industrial Development Corporation (WCIDC) through a resolution dated February 1983. The Division has submitted a letter requesting affirmation of that exemption by the Weber County Planning Division (believed to be the successor to the WCIDC, which no longer exists).

3. An updated map (or maps) showing all facilities used in the operation, including processing facilities, pump stations, borrow pits and quarries, roads, ponds, and any other features used in the collection and evaporation and concentration of product materials. This map should also incorporate the amendment for dike reclamation. The Division currently only has a printed version of a PowerPoint presentation of the project. Along with the hard copy map(s), the Division requests ESRI shapefiles showing all property lines, disturbed area boundaries, dike outlines and facility footprints.

The Division has developed worksheets to assist both the Division and mine operators with the task of calculating the reclamation surety amount using standard unit costs. These are available on the Division's web site at

http://linux1.ogm.utah.gov/WebStuff/wwwroot/minerals/bonding\_worksheets.html. Please complete these forms and return a copy to the Division for review. Once the forms have been reviewed, the Division will ask that you adjust the amount of surety to reflect the current reclamation cost estimate. Please submit the reclamation cost estimate as an amendment to the Notice of Intention to Commence Large Mining Operations (LMO) by August 1, 2014 so the information can be incorporated into the approved plan. Please contact Wayne Western at 801-538-5263 or by e mail at <a href="waynewestern@utah.gov">waynewestern@utah.gov</a> if you have questions about the worksheets.

The Division also requests that you review the LMO to ensure it is adequate and reflects the current operating conditions. Any necessary changes should be addressed by submitting an amendment to the LMO.

Thank you for your cooperation. Please call me at 801-538-5261 or Mike Bradley at 801-538-5332 if you have questions about this letter.

Sincerely,

Paul B. Baker

Mining Program Manager

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cc: Utah Division of Forestry, Fire and State Lands

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